



Project: Alaska Copper Works

Inspection Date: 2/20/2020

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm) Influent 95 Effluent 150 The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 10 Effluent 9 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent 10 Effluent 9

Carbon Filter Pressures (Lead) Influent 8 Effluent 5 The carbon filters should be backflushed if differential pressure > 8 psi

Carbon Filter Pressures (Lag) Influent 3 Effluent 0

Were the bag filters replaced? ☒ Yes ☐ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ok
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Good- cleaned
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Good
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No leaks
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Good
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Organized
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<2 gallons 10% Caustic 35 gallons 25% Caustic
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ok
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Calibrated - ok



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water:	pH	<u>6.24</u>	Turbidity	<u>3.41</u>	NTU
Bag Filter Influent	pH	<u>8.01</u>	Turbidity	<u>5.31</u>	NTU
Bag Filter Effluent	pH	<u>7.93</u>	Turbidity	<u>3.09</u>	NTU
Carbon Filter Influent	pH	<u>7.34</u>	Turbidity	<u>2.25</u>	NTU
Carbon Filter Effluent	pH	<u>6.83</u>	Turbidity	<u>1.79</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: _____

Treatment tank: _____

Backflush tank: _____

Main lift station: _____

North lift station: _____

South lift station: _____

Additional Comments, Recommendations and System Upsets:

8 unused filters remaining onsite.
Filters replaced on 2/20/20

David DuBois

Technician

Project Lead Technician

Title

2/20/2020

Date

Submit

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